

Prarthana Mohanraju

List of Publications by Year in descending order

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12
papers

2,387
citations

759233

12
h-index

1125743

13
g-index

14
all docs

14
docs citations

14
times ranked

3263
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiplex gene editing by CRISPR-Cpf1 using a single crRNA array. <i>Nature Biotechnology</i> , 2017, 35, 31-34.	17.5	736
2	Pathogen-induced activation of disease-suppressive functions in the endophytic root microbiome. <i>Science</i> , 2019, 366, 606-612.	12.6	621
3	Diverse evolutionary roots and mechanistic variations of the CRISPR-Cas systems. <i>Science</i> , 2016, 353, aad5147.	12.6	523
4	Characterizing a thermostable Cas9 for bacterial genome editing and silencing. <i>Nature Communications</i> , 2017, 8, 1647.	12.8	112
5	Keeping <scpr>crispr</scpr> in check: diverse mechanisms of phage-encoded anti-<scpr>crisprs</scpr>. <i>FEMS Microbiology Letters</i> , 2019, 366, .	1.8	76
6	CRISPR-Cas ribonucleoprotein mediated homology-directed repair for efficient targeted genome editing in microalgae <i>Nannochloropsis oceanica</i> IMET1. <i>Biotechnology for Biofuels</i> , 2019, 12, 66.	6.2	66
7	Good guide, bad guide: spacer sequence-dependent cleavage efficiency of Cas12a. <i>Nucleic Acids Research</i> , 2020, 48, 3228-3243.	14.5	62
8	Bacteriophage DNA glucosylation impairs target DNA binding by type I and II but not by type V CRISPR-Cas effector complexes. <i>Nucleic Acids Research</i> , 2018, 46, 873-885.	14.5	57
9	Alternative functions of CRISPR-Cas systems in the evolutionary arms race. <i>Nature Reviews Microbiology</i> , 2022, 20, 351-364.	28.6	44
10	Guide-free Cas9 from pathogenic <i>Campylobacter jejuni</i> bacteria causes severe damage to DNA. <i>Science Advances</i> , 2020, 6, eaaz4849.	10.3	31
11	Heterologous Expression and Purification of the CRISPR-Cas12a/Cpf1 Protein. <i>Bio-protocol</i> , 2018, 8, e2842.	0.4	21
12	Development of a Cas12a-Based Genome Editing Tool for Moderate Thermophiles. <i>CRISPR Journal</i> , 2021, 4, 82-91.	2.9	10